

controlling, by the control arrangement, the actuator to actuate the touch-surface; and
 providing a perceivable feedback to the user in response to the detected touch, wherein the actuator arrangement includes an electroactive polymer arrangement configured to be operatively actuated by the control arrangement to actuate the touch-surface to provide perceivable feedback to the user in response to the detected touch.

10. The method of claim 9, wherein the electroactive polymer arrangement comprises:

at least one region of an electroactive polymer,
 at least a first electrode arrangement, and
 at least a second electrode arrangement which are arranged to operatively actuate the at least one region of the electroactive polymer and to be operatively controlled by the control arrangement, the method further comprising:
 actuating the first electrode arrangement and the second electrode arrangement of the region to provide the perceivable feedback.

11. The method of claim 9, wherein the electroactive polymer arrangement comprises:

at least one region of an electroactive polymer that is formed by the touch-surface, the method further comprising:
 actuating the at least one region to provide the perceivable feedback.

12. The method of claim 11, wherein substantially an entire area of the touch-surface is formed by the electroactive polymer.

13. The method of claim 9, further comprising:
 actuating the actuator arrangement and the touch-surface to operatively provide at least one of a tactile feedback or an audible feedback to the user in response to an event detected by the control arrangement.

14. The method according of claim 9, further comprising:
 actuating the actuator arrangement and the touch-surface to provide at least one of a voice signal or a music signal to the user in response to the detected event.

15. A computer-readable storage device executable in a portable device, the computer-readable storage device comprising:

instructions to:

receive a touch from a user of the device via a touch-surface, wherein at least a portion of the touch-surface is configured to be actuated by an actuator arrangement;
 detect, by a control arrangement, the touch on the touch-surface;

control, by the control arrangement, the actuator to actuate the touch-surface; and

provide a perceivable feedback to the user in response to the detected touch, wherein the actuator arrangement includes an electroactive polymer arrangement configured to be operatively actuated by the control arrangement to actuate the touch-surface to provide perceivable feedback to the user in response to the detected touch.

16. A computer program element having a program recorded thereon, where the program is to make a portable device to execute, when said program is loaded in the portable device, comprising:

a touch-surface arranged to be operatively actuated and to operatively receive touches from a user of the device;
 an actuator arrangement arranged to operatively actuate at least a part of said touch-surface;

a control arrangement arranged to operatively detect a touch on said touch-surface and to operatively control the actuator to actuate said touch-surface so as to provide a perceivable feedback to the user as a response to a detected touch, wherein

said actuator arrangement comprises an electroactive polymer arrangement arranged to be operatively actuated by said control arrangement so as to actuate said touch-surface for providing a perceivable feedback to the user as a response to a detected touch, the steps of:

detecting a touch on the touch-surface,

actuating the electroactive polymer arrangement comprised by the actuator arrangement so as to provide a perceivable feedback from the touch-surface to the user as a response to a detected touch.

* * * * *